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<p>(21) International Application Number: <b>PCT/US00/01824</b></p> <p>(22) International Filing Date: 21 January 2000 (21.01.00)</p> <p>(30) Priority Data: 99200182.6 22 January 1999 (22.01.99) EP</p> <p>(71) Applicant (for all designated States except US): MALLINCK-RODT INC. [US/US]; 675 McDonnell Boulevard, P.O. Box 5840, St. Louis, MO 63134 (US).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): HERSCHEID, Jacobus, D., M. [NL/NL]; Wikkestraat 11, NL-2153 CD Nieuw Vennep (NL). MOET, Frits, Peter [NL/NL]; Iepenlaan 28, NL-1815 EB Alkmaar (NL).</p> <p>(74) Agent: BOONE, Jeffrey, S.; 675 McDonnell Boulevard, P.O. Box 5840, St. Louis, MO 63134 (US).</p>		<p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p><b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p>
<p>(54) Title: <b>PROCESS FOR THE PURIFICATION AND CONCENTRATION OF RADIOIODIDE ISOTOPES</b></p> <p>(57) Abstract</p> <p>Process for the purification and concentration of isotopes which isotopes are dissolved in a dilute acidic solution and adsorbed on an (optionally) activated surface of a d<sup>10</sup>-metal whereby the isotopes are selectively desorbed by elution whereby <i>in situ</i> reduction of oxidation products is achieved and an apparatus for performing said process.</p>		